

Presentation by
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Remote Sensing Qualifications and LLL in AUTH

Lab of Forest Management
and Remote Sensing,
Aristotle University of
Thessaloniki

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RS labs in AUTh

- Lab of Forest Management and Remote Sensing (FMRS), School of Forestry and Natural Environment
- Lab of Remote Sensing and GIS, School of Agriculture
- Lab of Photogrammetry and Remote Sensing, Dept. of Rural and Surveying Engineering, Polytechnic School
- Lab of Applications of Remote Sensing and GIS, Dept. of Geology, School of Sciences



Qualifications

- All AUTh RS labs include Remote Sensing courses in their pre- and post-graduate curricula
- All AUTh RS labs are members of EARSeL (European Association of Remote Sensing Laboratories)
<http://www.earsel.org>





LLL frameworks of AUTh

- Member of the Hellenic Academic Libraries Link (HEAL): free access to most RS/GIS international journals
- PhD positions in RS/GIS regularly offered
- Pre- and post-graduate programs regularly upgraded with RS/GIS courses (e.g. inter-departmental Master program of Landscape Architecture)
- Linking RS/GIS education with market opportunities (private sector) through: practical training of students or research/operational projects (e.g. HERACLETUS, THALES, ARCHIMEDES)
- Regular technical seminars on RS/GIS software (e.g. ArcGIS, ERDAS Imagine, ENVI, eCognition, etc)

FMRS: current staff

- Professors (3)
- Post-doc (4)
- PhD candidates (4)
- MSc/BSc students
- Secretariat
- Technical staff



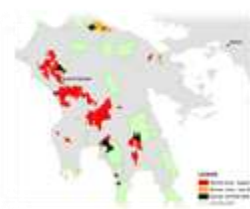
FMRS: teaching RS/GIS

- Aerial photography (theory and practice; pre-graduate course)
- Environmental Remote Sensing (theory and practice; differentiated pre- and post-graduate programs)
- Geographic Information Systems (GIS) (theory and practice; differentiated pre- and post-graduate programs)
- Forest cartography (theory and practice; pre-graduate course)



FMRS: RS/GIS research

- Land use / land cover mapping
- Forest fire mapping (burnt area, fire severity)
- Fire risk and impact assessment (fuel type mapping, forest regeneration)
- Soil erosion risk mapping
- Forest management (forest cover types, wood production)
- Landscape ecology and systems dynamics



FMRS teaching facilities

- 2 rooms with 10 and 14 working positions (fully equipped pc), respectively
- 1 plotter A0+ (canon plotter ipf710, 2400 x 1200 dpi)
- 1 scanners A0 (XEROX YWC-1) and 1 scanner A3 (HP Scanjet G4010)
- 2 printers A4 (hp laserjet 3015 and hp colour laserjet 3800)
- High-speed LAN and internet



FMRS field equipment

- Differential GPS Thales Mobile Mapper 6 (sub-meter accuracy)
- Simple GPS GARMIN Oregon with embedded camera (2 devices)
- DYCAM Agricultural Digital Camera (ADC): Vegetation indices extraction
- Notebook computers powered with GIS software (3 pieces)





Out-door initiatives of FMRS



Seminars; EARSeL workshops



European Commission
Joint Research Centre

FMRS policy and actions

- Excellency in research regularly targeted and promoted (e.g. THALES project: invited scientists from Germany and Italy)
- Research projects with European Space Agency (ESA) (e.g. geoland2, <http://www.gmes-geoland.info/>), Joint Research Centre (JRC), World Wide Fund for Nature (WWF), etc
- Internal seminars



**спасибо за
внимание**

